

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122923\
 Data File : VN080606.D
 Acq On : 29 Dec 2023 10:47
 Operator : JC\MD
 Sample : VN1229WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1229WBL02

Quant Time: Dec 29 23:38:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	317367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	617379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	803739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	309991	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	189564	46.565	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.140%
35) Dibromofluoromethane	8.171	113	175228	43.885	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.760%
50) Toluene-d8	10.571	98	639073	45.840	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.680%
62) 4-Bromofluorobenzene	12.853	95	279246	59.516	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.040%

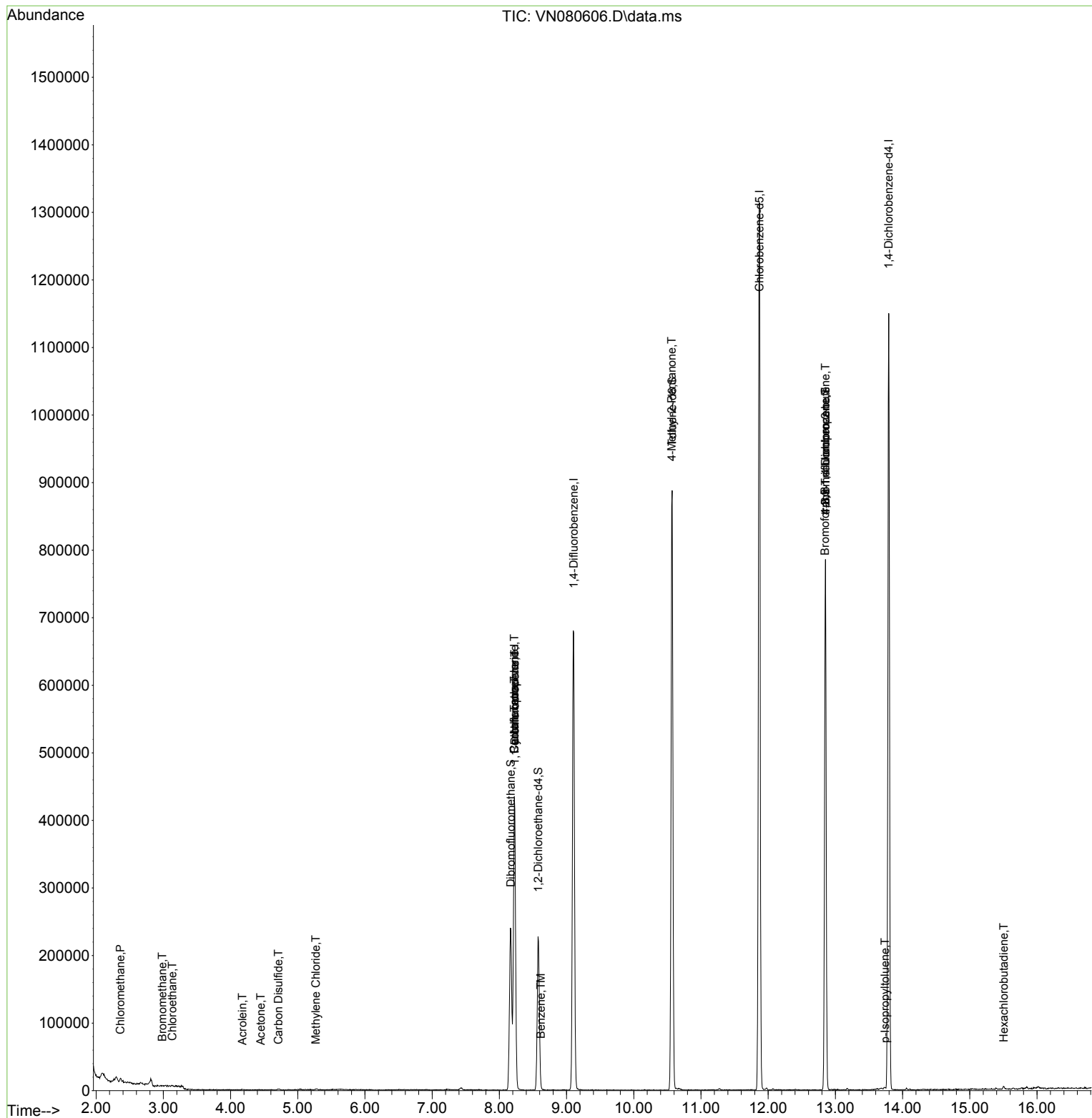
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	9094	1.394	ug/l #	86
5) Bromomethane	2.983	94	1243	0.834	ug/l #	44
6) Chloroethane	3.136	64	743	0.303	ug/l #	43
13) Acrolein	4.177	56	849	1.371	ug/l #	74
16) Acetone	4.448	43	542	0.490	ug/l #	40
17) Carbon Disulfide	4.712	76	2955	0.375	ug/l #	75
20) Methylene Chloride	5.271	84	743	0.210	ug/l #	87
31) Cyclohexane	8.224	56	6292	1.142	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	24335	3.960	ug/l #	48
38) Carbon Tetrachloride	8.224	117	32965	5.244	ug/l #	16
40) Benzene	8.618	78	142	0.379	ug/l #	52
51) 4-Methyl-2-Pentanone	10.565	43	2376	0.556	ug/l #	1
71) Bromoform	12.847	173	1349	0.297	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	140834	21.123	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	140834	57.216	ug/l #	15
86) p-Isopropyltoluene	13.741	119	702	0.494	ug/l #	80
94) Hexachlorobutadiene	15.506	225	813	0.305	ug/l	74

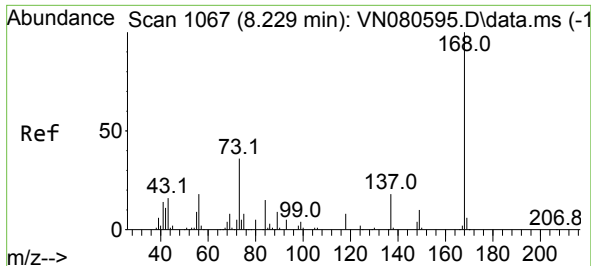
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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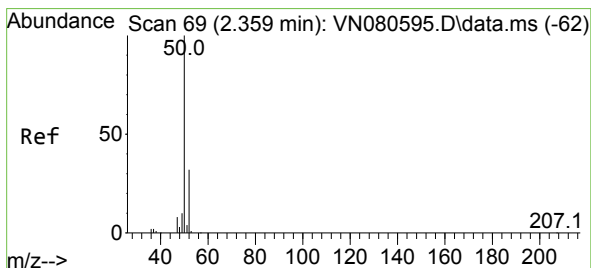
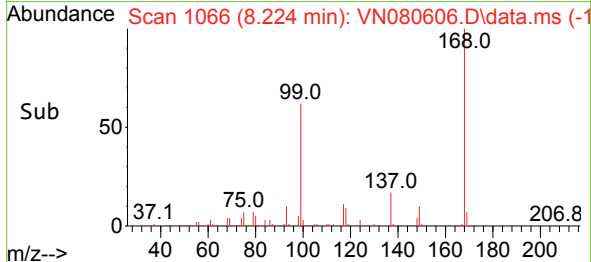
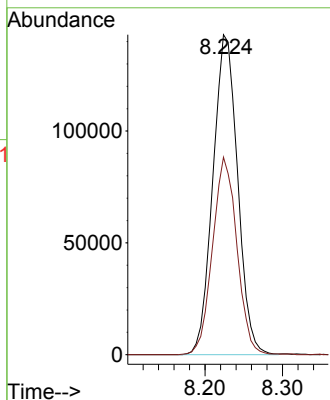
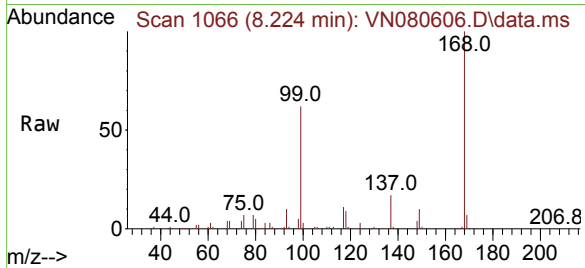




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

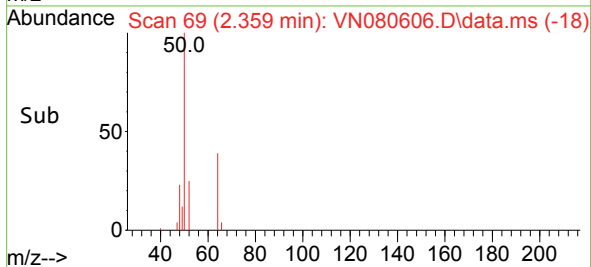
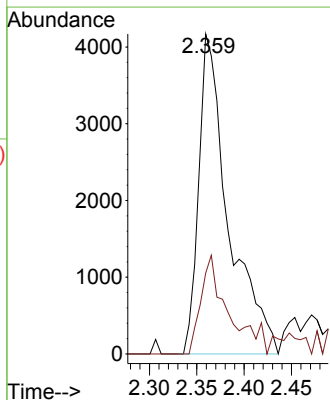
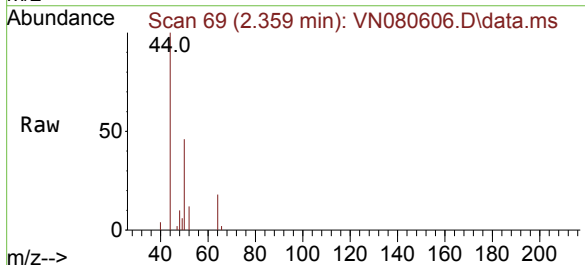
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL02

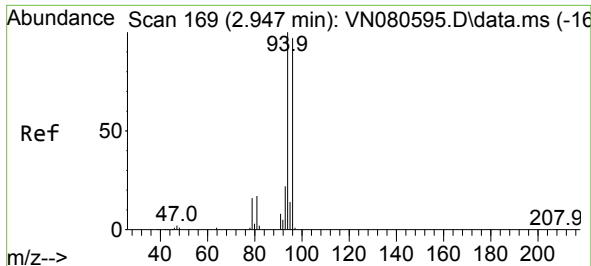
Tgt Ion:168 Resp: 317367
Ion Ratio Lower Upper
168 100
99 61.7 53.0 79.6



#3
Chloromethane
Concen: 1.394 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

Tgt Ion: 50 Resp: 9094
Ion Ratio Lower Upper
50 100
52 25.3 26.5 39.7#

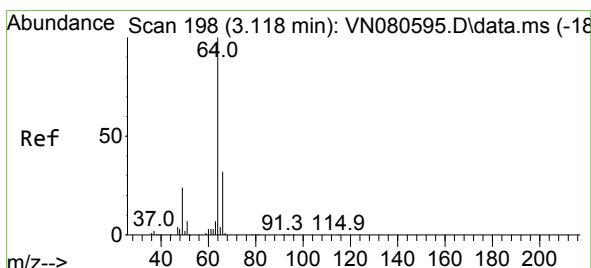
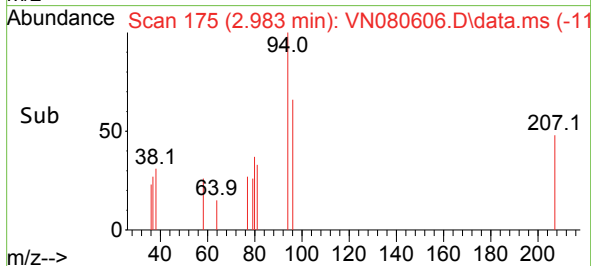
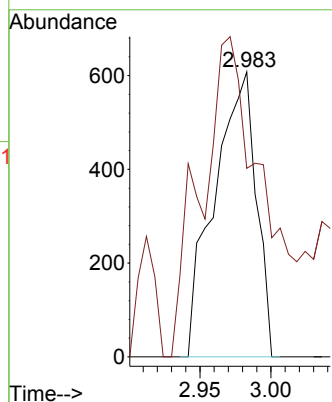
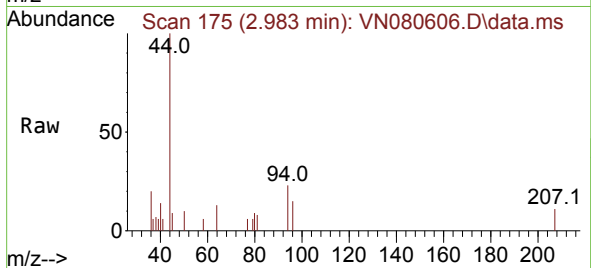




#5
Bromomethane
Concen: 0.834 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

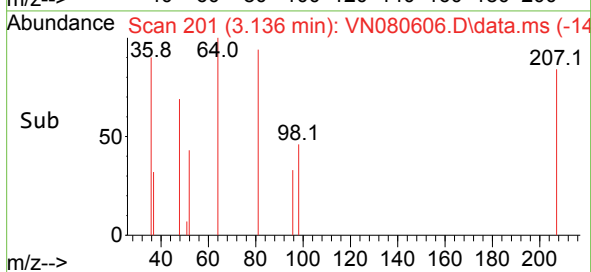
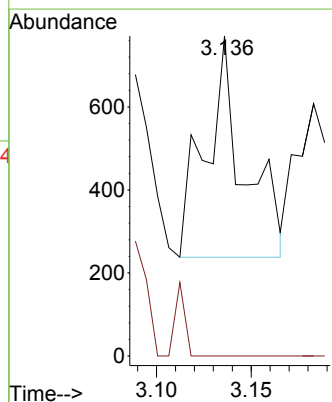
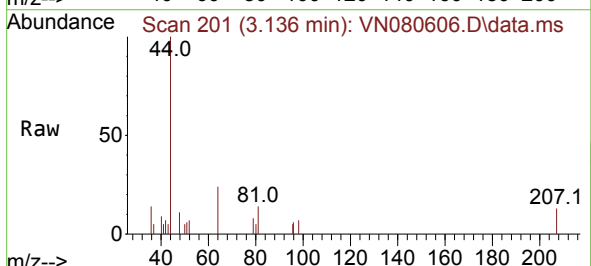
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL02

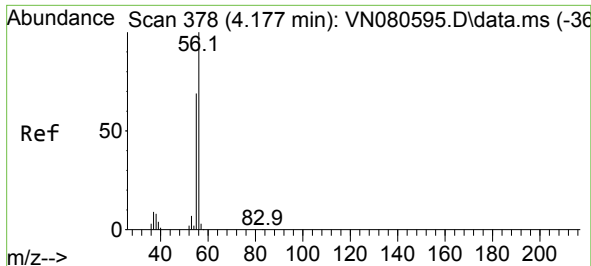
Tgt Ion: 94 Resp: 1243
Ion Ratio Lower Upper
94 100
96 37.8 73.1 109.7#



#6
Chloroethane
Concen: 0.303 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

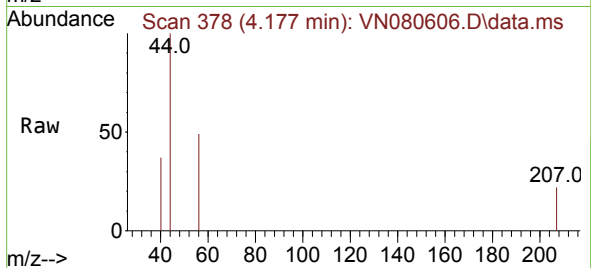
Tgt Ion: 64 Resp: 743
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



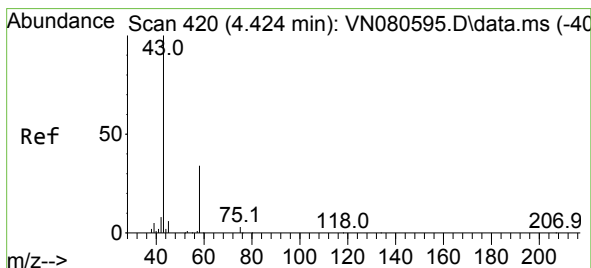
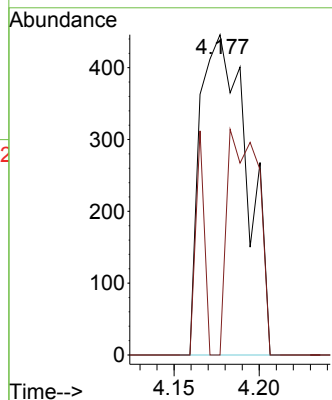
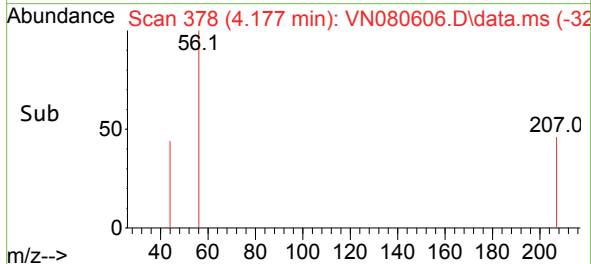


#13
Acrolein
Concen: 1.371 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

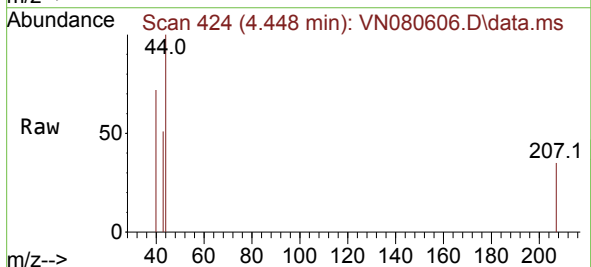
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL02



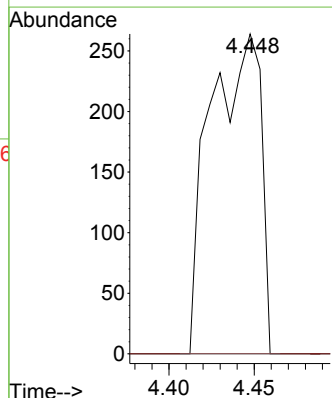
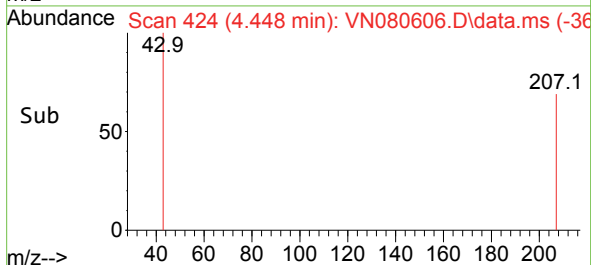
Tgt Ion: 56 Resp: 849
Ion Ratio Lower Upper
56 100
55 47.2 54.5 81.7#

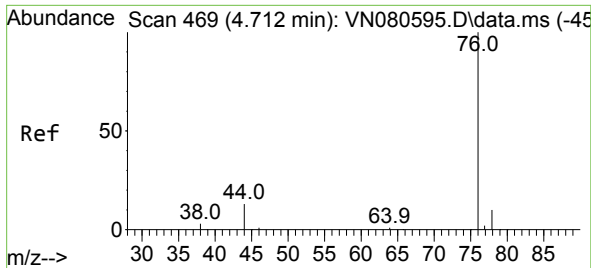


#16
Acetone
Concen: 0.490 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.024 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47



Tgt Ion: 43 Resp: 542
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

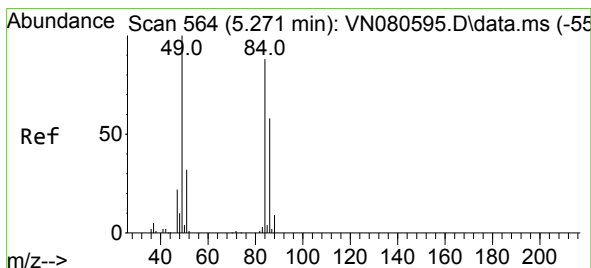
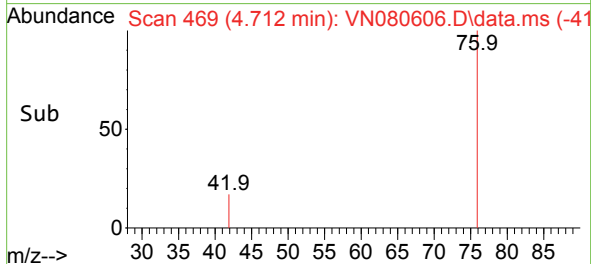
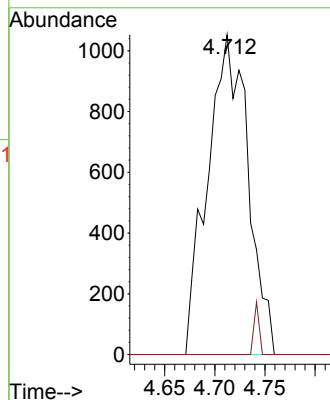
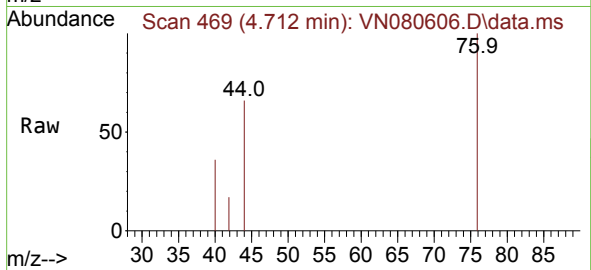




#17
Carbon Disulfide
Concen: 0.375 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

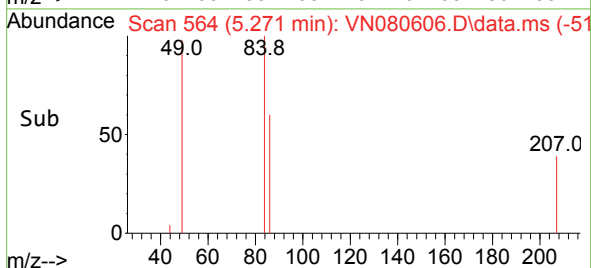
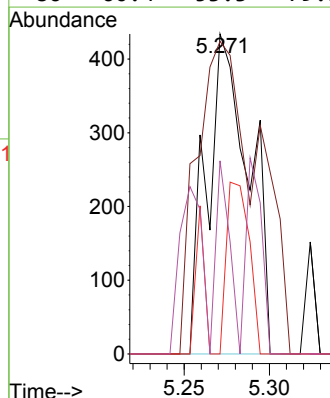
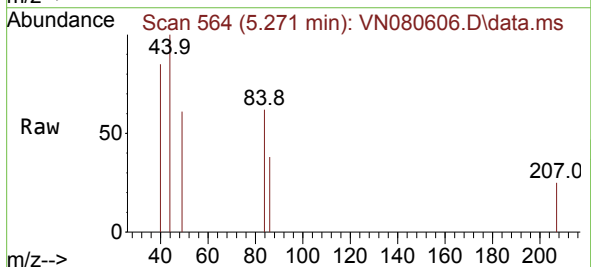
Instrument :
MSVOA_N
ClientSampleId :
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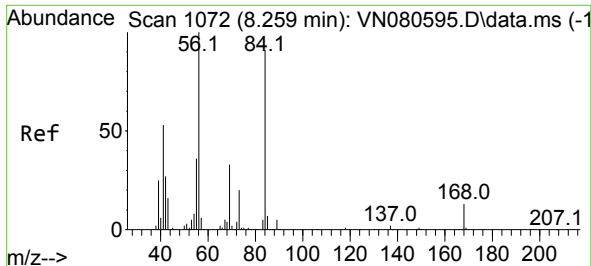
Tgt Ion: 76 Resp: 2955
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.210 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

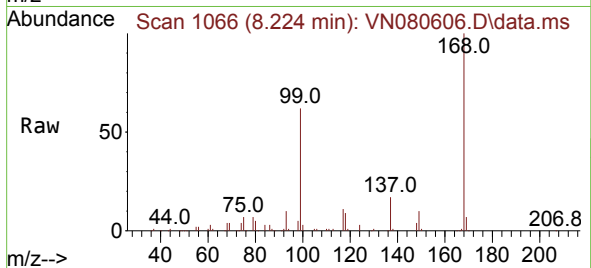
Tgt Ion: 84 Resp: 743
Ion Ratio Lower Upper
84 100
49 97.7 79.7 119.5
51 0.0 25.2 37.8#
86 60.4 53.3 79.9



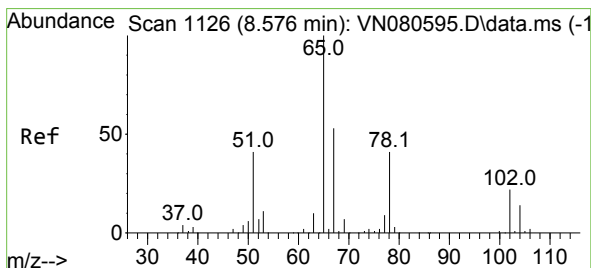
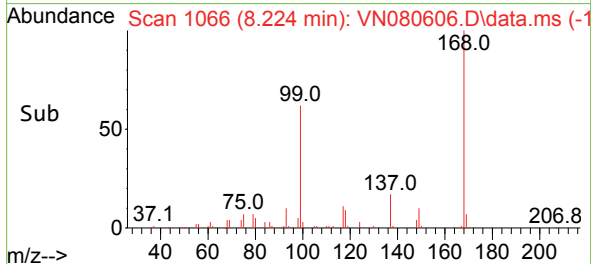
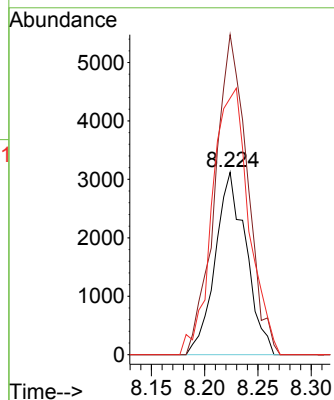


#31
Cyclohexane
Concen: 1.142 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL02

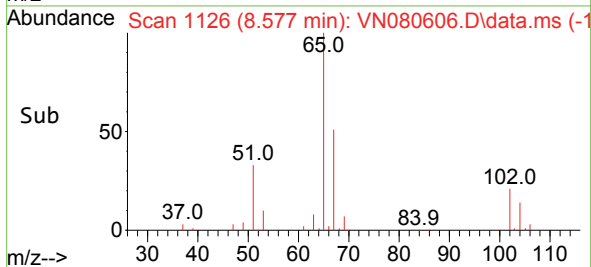
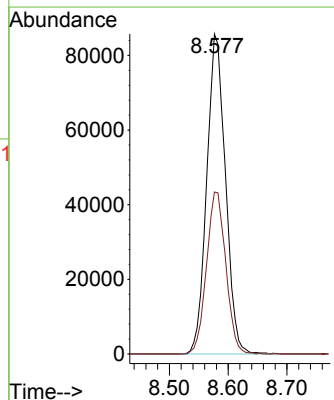
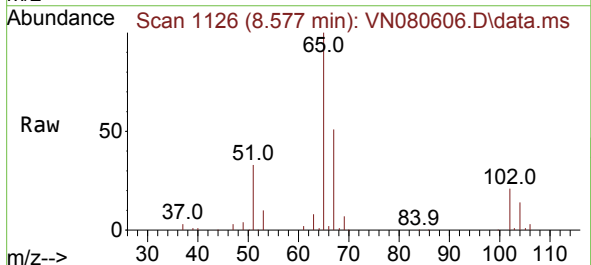


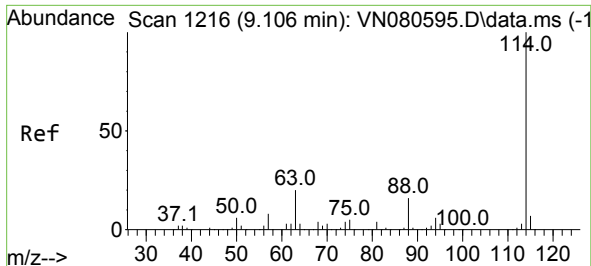
Tgt Ion: 56 Resp: 6292
Ion Ratio Lower Upper
56 100
69 175.4 26.8 40.2#
84 140.6 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 46.565 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

Tgt Ion: 65 Resp: 189564
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080606.D

Acq: 29 Dec 2023 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1229WBL02

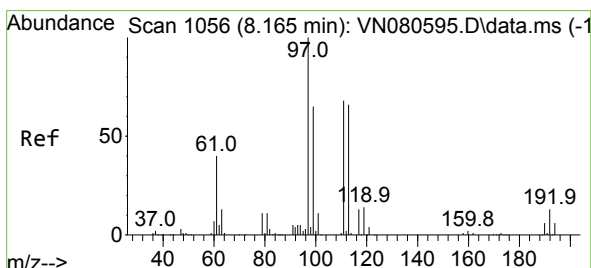
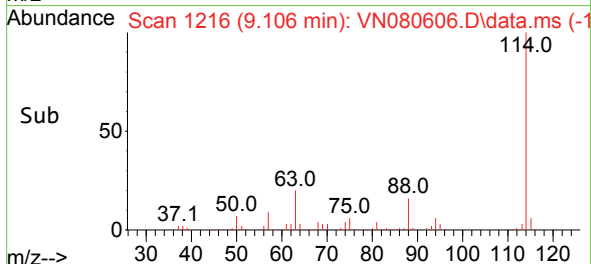
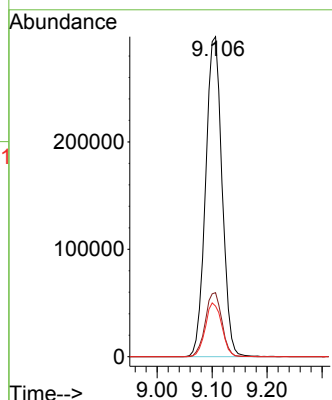
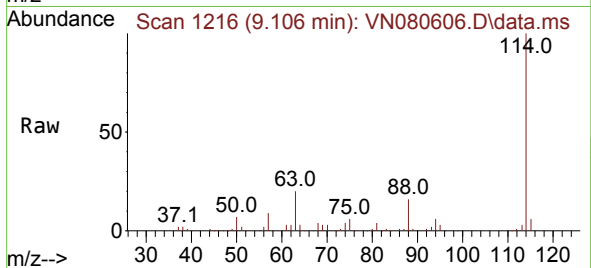
Tgt Ion:114 Resp: 617379

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 43.885 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080606.D

Acq: 29 Dec 2023 10:47

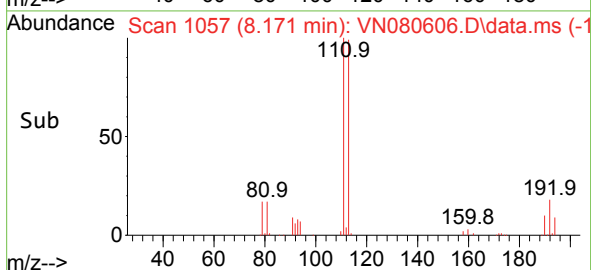
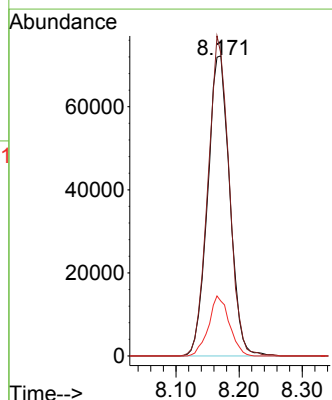
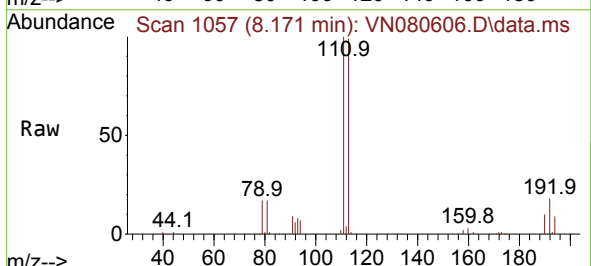
Tgt Ion:113 Resp: 175228

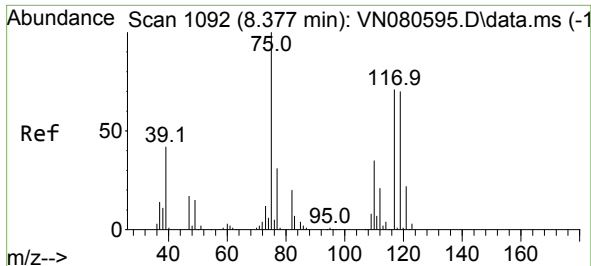
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 18.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 3.960 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080606.D

Acq: 29 Dec 2023 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1229WBL02

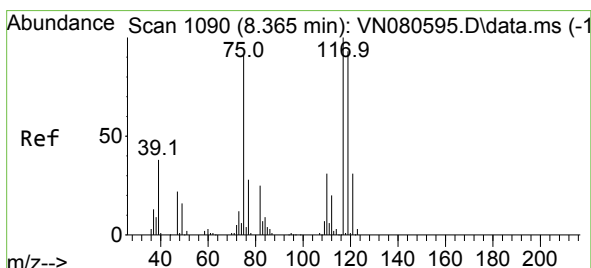
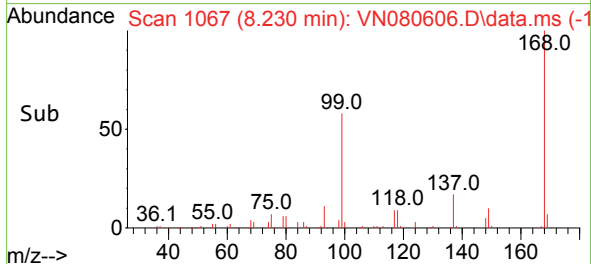
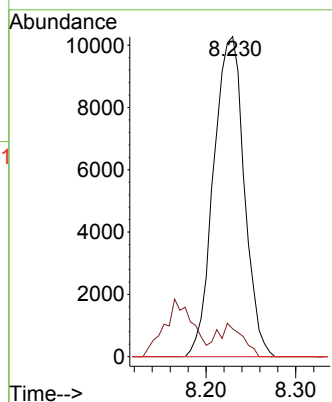
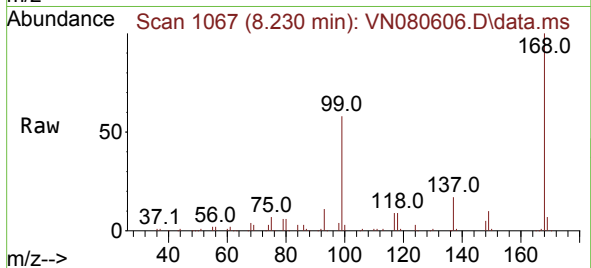
Tgt Ion: 75 Resp: 24335

Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.244 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080606.D

Acq: 29 Dec 2023 10:47

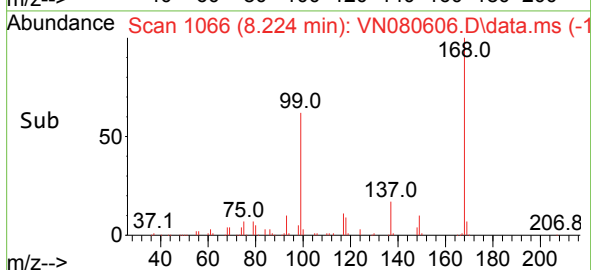
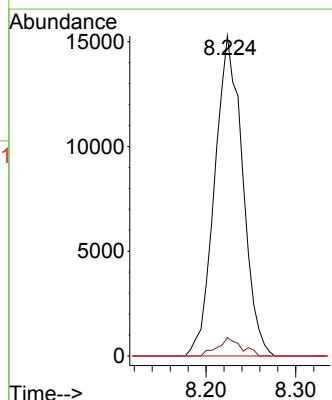
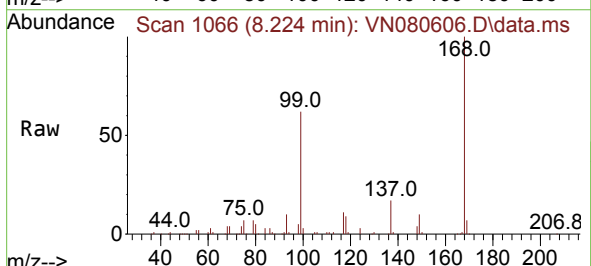
Tgt Ion: 117 Resp: 32965

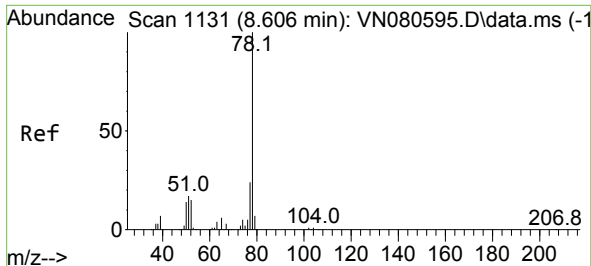
Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 23.3 34.9#

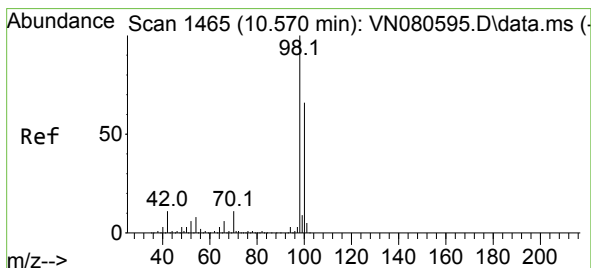
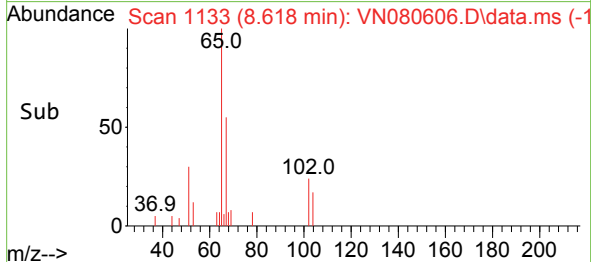
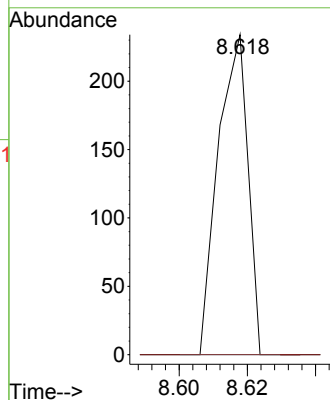
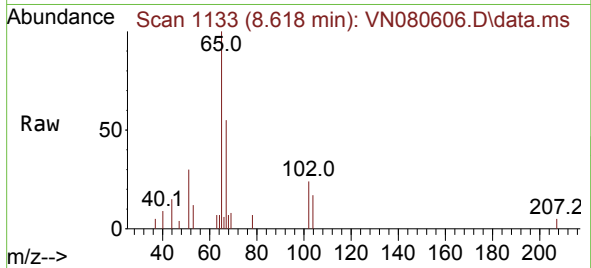




#40
Benzene
Concen: 0.379 ug/l
RT: 8.618 min Scan# 1131
Delta R.T. 0.012 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

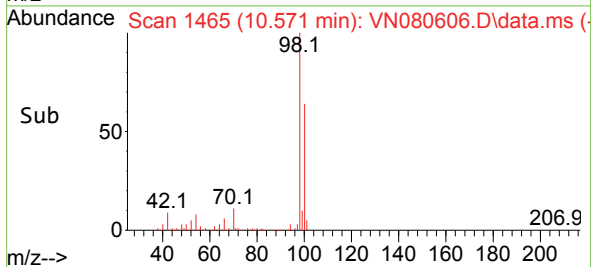
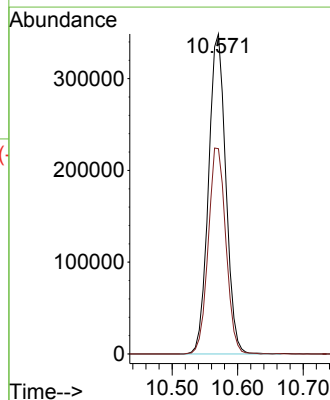
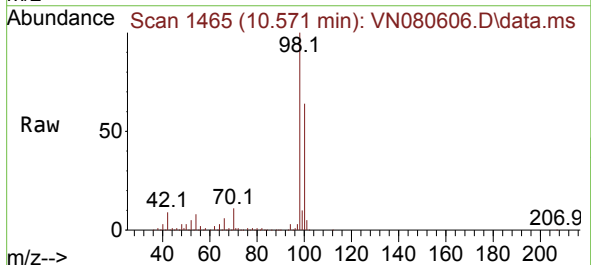
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL02

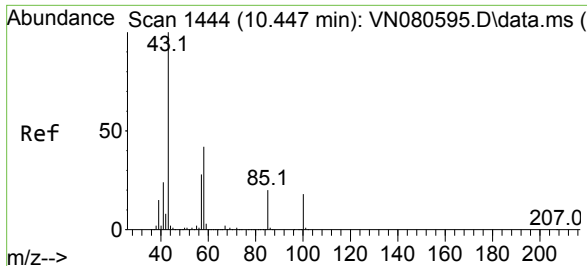
Tgt Ion: 78 Resp: 142
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.6#



#50
Toluene-d8
Concen: 45.840 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

Tgt Ion: 98 Resp: 639073
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0

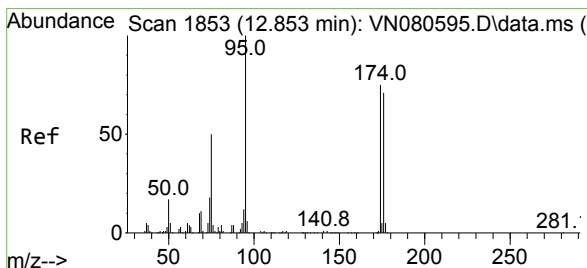
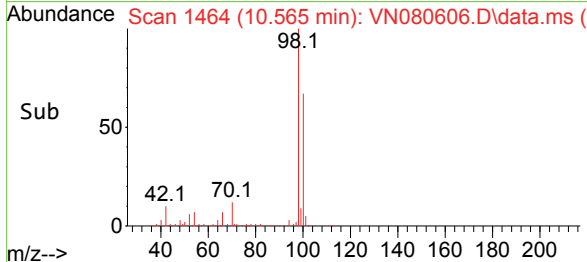
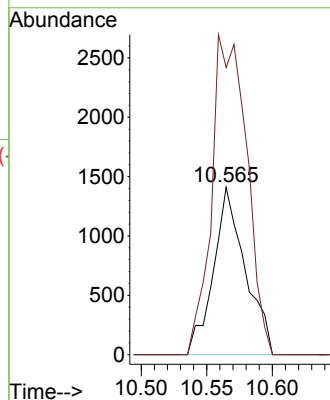
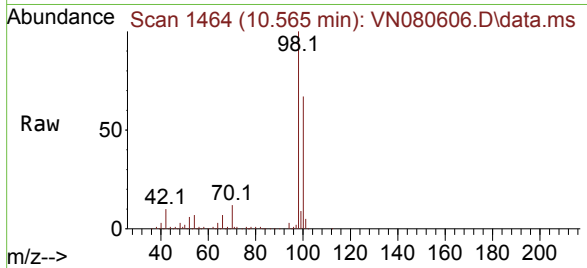




#51
4-Methyl-2-Pentanone
Concen: 0.556 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

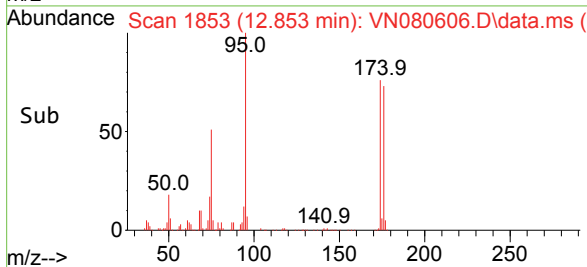
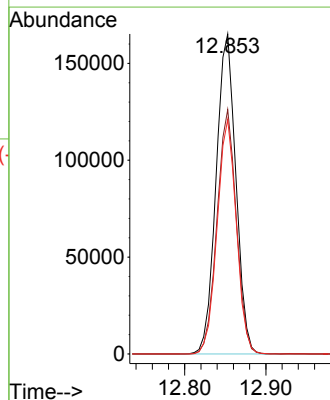
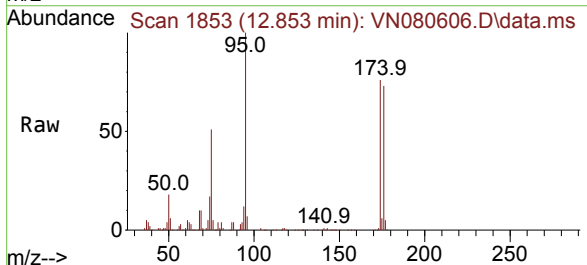
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL02

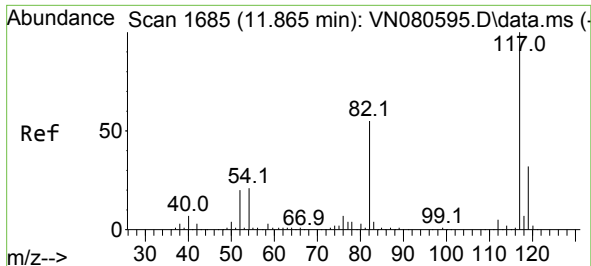
Tgt Ion: 43 Resp: 2376
Ion Ratio Lower Upper
43 100
58 211.1 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 59.516 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

Tgt Ion: 95 Resp: 279246
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 71.1 0.0 135.8

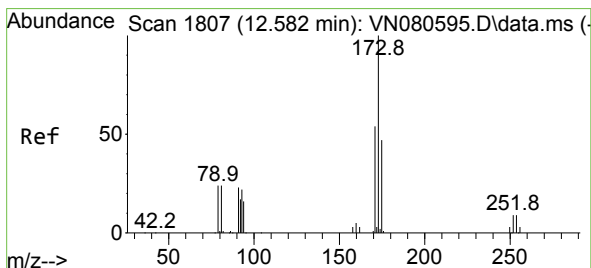
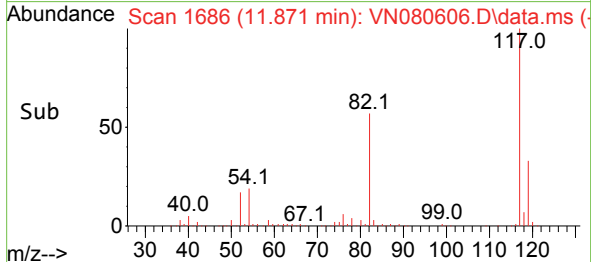
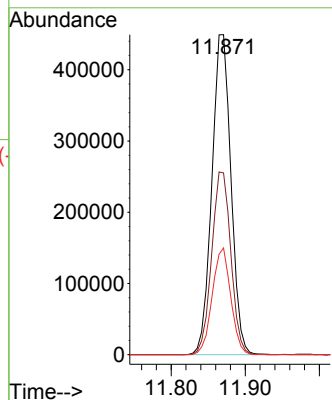
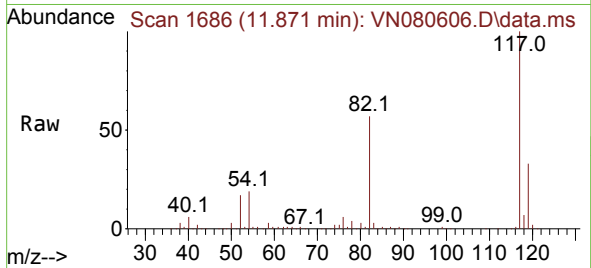




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

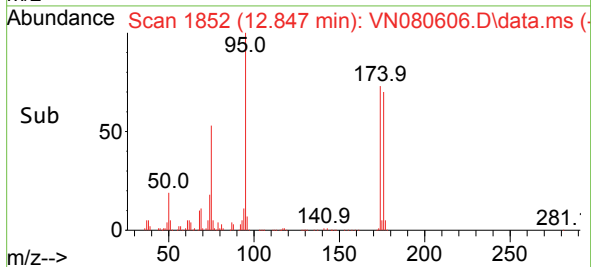
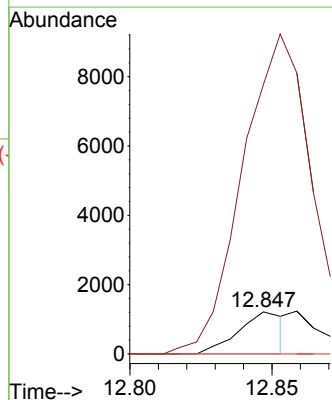
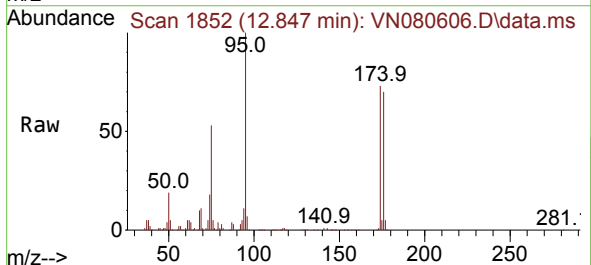
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL02

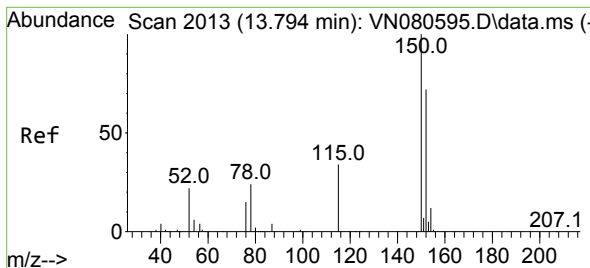
Tgt Ion:117 Resp: 803739
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 33.3 25.6 38.4



#71
Bromoform
Concen: 0.297 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

Tgt Ion:173 Resp: 1349
Ion Ratio Lower Upper
173 100
175 951.7 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN080606.D

Acq: 29 Dec 2023 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN1229WBL02

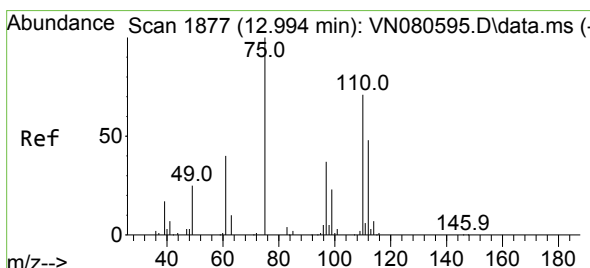
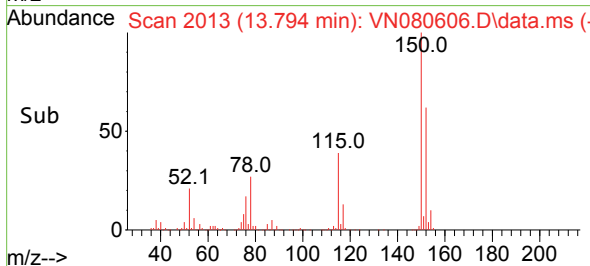
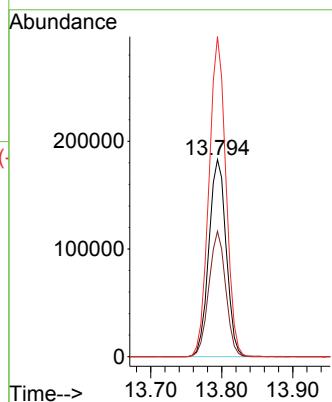
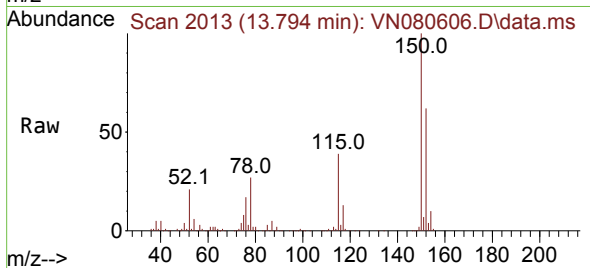
Tgt Ion:152 Resp: 309991

Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 158.9 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 21.123 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080606.D

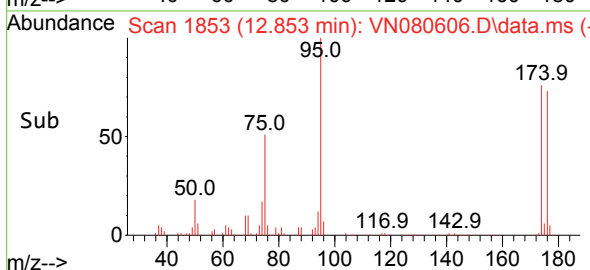
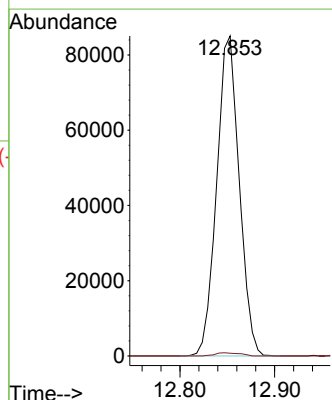
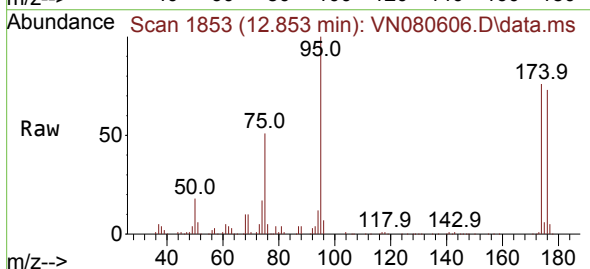
Acq: 29 Dec 2023 10:47

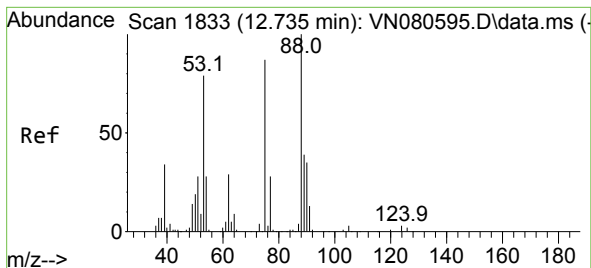
Tgt Ion: 75 Resp: 140834

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#

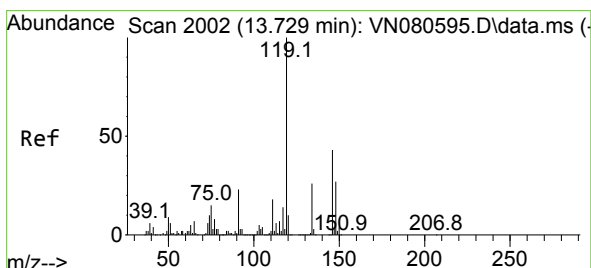
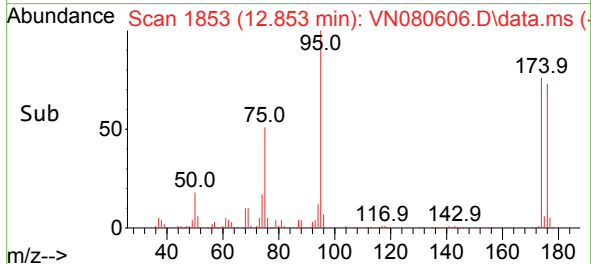
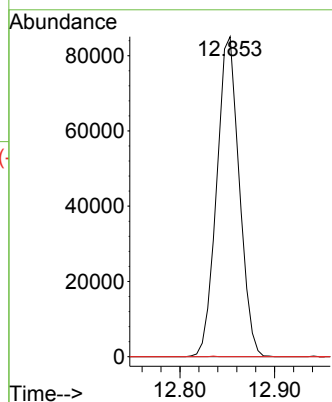
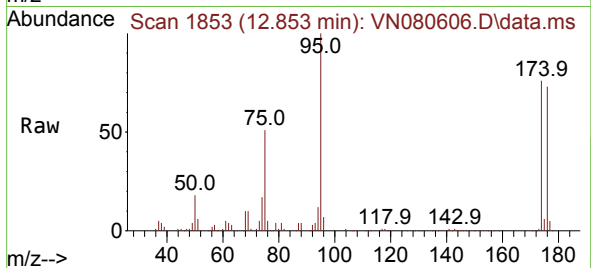




#81
trans-1,4-Dichloro-2-butene
Concen: 57.216 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

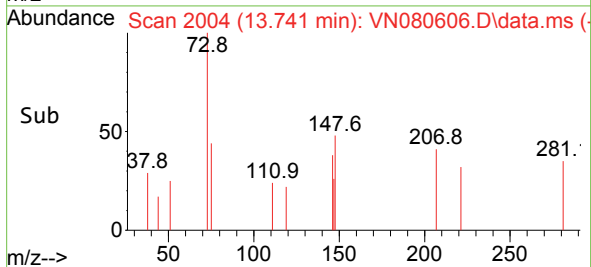
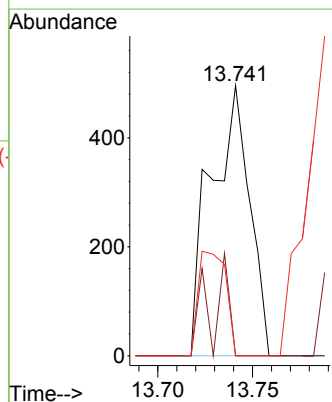
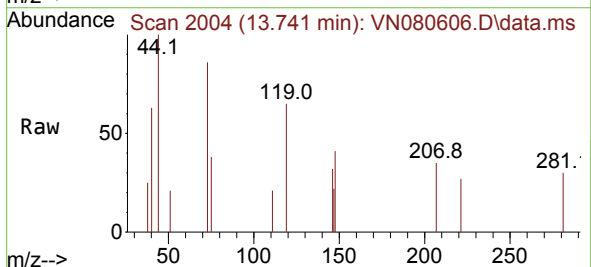
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL02

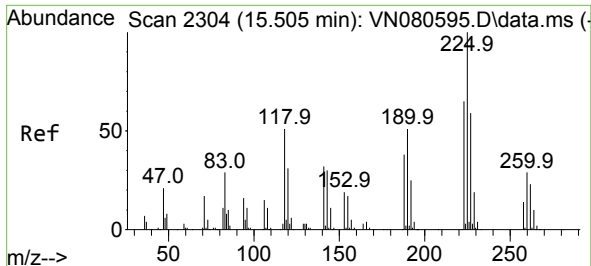
Tgt Ion: 75 Resp: 140834
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#86
p-Isopropyltoluene
Concen: 0.494 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.012 min
Lab File: VN080606.D
Acq: 29 Dec 2023 10:47

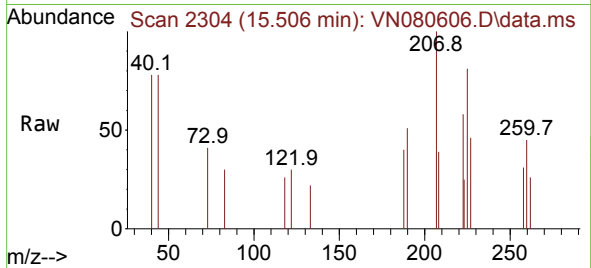
Tgt Ion: 119 Resp: 702
Ion Ratio Lower Upper
119 100
134 8.0 12.6 37.8#
91 27.5 12.4 37.2





#94
 Hexachlorobutadiene
 Concen: 0.305 ug/l
 RT: 15.506 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080606.D
 Acq: 29 Dec 2023 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1229WBL02



Tgt Ion:	225	Resp:	813
Ion	Ratio	Lower	Upper
225	100		
223	87.2	31.3	93.8
227	47.5	31.9	95.9

